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Model #: SM5000RT3UTAA

TAA Compliant SmartPro 5kVA Line Interactive Sine Wave UPS, Extended-run & SNMPWEBCARD options, 6U Rack/Tower, USB, Serial, EPO, 208+120V

Highlights

- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases
- 5000VA / 5kVA line interactive, extended-run 6U rack / tower UPS (3U Power Module + 3U Battery Pack)
- Maintains sine-wave 208V and simultaneous 120V nominal output during brownouts to 151 and overvoltages to 260V
- Network communications supported via 2 USB ports, 2 serial ports, SNMP/Web card slot and EPO interface
- Current monitoring and switched PDU control via 8 single-outlet load banks
- Input: L6-30P (208V 30A) / Output: 1 L6-30R (208V), 1 L14-30R (208/120V split phase), 2 NEMA 5-20R (120V), 10 NEMA 5-15R (120V)
- 2 year product warranty / $250,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

Description

Tripp Lite's line-interactive SM5000RT3UTAA UPS System is compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases. This UPS protects server, networking or telecommunications equipment from blackouts, voltage fluctuations and surges in a compact tower/rackmount housing. In rack configuration, the power module and battery pack occupy only 3 rack spaces (3U) each. Large capacity 5000VA/4000W power module converts raw 208V AC input to fully regulated dual output 208/120 voltage for simultaneous protection of both high- and low-voltage equipment loads. True sine wave output at all times offers guaranteed compatibility with all equipment types. Includes 14 outlets, 8 of which can be individually reset via software interface to selectively reboot remote equipment or shed less critical loads to extend battery runtime for more critical equipment. Battery support can be extended indefinitely with additional external 3U rackmount battery packs. Includes slot for internal SNMP/web card, plus two DB9 and two USB enhanced monitoring ports for unattended shutdown, remote control and monitoring of UPS system and power data.

Package Includes

- SM5000RT3UTAA UPS System
- BP48V60RT3U battery pack
- PowerAlert Software and cabling
- Mounting hardware
- Instruction manual with warranty information

Features

- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases
- Large 5000VA/4000W output capacity with full-time sine wave output offers guaranteed compatibility with all equipment types
- High power density 5kVA power module and battery pack occupy only 3 rack spaces (3U) each (UPS and battery pack require 6U total installed)
- 38 min. half load runtime, expandable with multiple external battery packs (part# BP48V60RT3U)

- Line-interactive voltage regulation corrects severe brownouts and overvoltages without using battery power
- Dual voltage output is simultaneously compatible with both 208V and 120V equipment
- 14 total outlets (120V: 10 x 5-15R, 2 x 5-20R/208V: 1 x L6-30R, 1 x L14-30R)
- Diagnostic LEDs provide visual indication of 17 separate performance conditions
- Included PowerAlert Software provides e-mail notification of power problems and simultaneous automatic unattended shutdown of multiple servers
- 4 built-in communications ports (2 x DB9, 2 x USB) for remote monitoring and unattended shutdown
- Slot for SNMP/web card SNMPWEBCARD and environmental sensor ENVIROSENSE for remote communications in large IP environments
- 8 customized load management receptacles can be individually powered off and back on again via software interface to reboot remote equipment or perform "load shedding" of less critical loads to extend battery runtime for the most critical equipment
- Emergency Power Off (EPO) interface for emergency shutoff in large facilities
- Hot-swappable/user replaceable batteries allow on-site battery replacement through the front panel without powering off connected equipment or removing the UPS from the rack
- UPS battery set ships fully assembled and ready for connection to the power module, no time consuming, connection of individual internal batteries by user is necessary
- $250,000 Ultimate Lifetime Insurance (USA & Canada Only). No warranty cards required for coverage!
- NAFTA compliant
- 2-year manufacturer's product warranty

Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	5000
Output kVA capacity (kVA)	5
Output Watt Capacity (watts)	4000
Output kW capacity	4
Output power factor	0.8
Nominal Output Voltage(s) Supported	120V; 208V
Frequency compatibility	60 Hz
Output voltage regulation (line mode)	208 & 120V (-10%, +20%)
Output voltage regulation (Battery mode)	+/- 5%
Built-in UPS output receptacles	10 5-15R outlet(s); 2 5-15/20R outlet(s); 1 L14-30R outlet(s); 1 L6-30R outlet(s)
Built-in controllable switched load banks	Eight switchable single-outlet 5-15R load banks
Output circuit breaker	15A branch rated (x3) - 2 breakers support 5 5-15R outlets each, one breaker supports 2 5-20R outlets, L6-30R and L14-30R outlets are unbreakered
Basic PDU options	PDU1220 (1U / 13 5-15/20R outlets); PDU1230 (1U / 2 C19, 16 C13 outlets); PDUV20 (0U / 12 5-15/20R outlets); PDU40TDUAL (0U / 40 5-15/20R outlets); PDUV30HV (0U / 6 C19, 32 C13 outlets)
Metered PDU options	PDUMH20 (1U / 13 5-15/20R outlets); PDUMH20AT (1U / 16 5-15/20R outlets)*; PDUMV20 (0U / 16 5-15/20R outlets); PDUMV40 (0U / 32 5-15/20R outlets); PDUMV30HV (0U / 6 C19, 24 C13 outlets)
Switched PDU options	PDUMH20ATNET (1U / 16 5-15/20R outlets)*; PDUMH30HVNET (2U / 16 C13 outlets); PDUMV20NET (0U / 24 5-15/20R outlets); PDUMV30HVNET (0U / 4 C19, 24 C13 outlets)

External PDU redundancy options	*Auto Transfer Switch features utilizing the secondary PDU input cord are compatible with Smart Online UPS models only
Output AC waveform (AC mode)	Sine wave
INPUT	
Nominal Input Voltage(s) Supported	208V AC
UPS input connection type	L6-30P
Input circuit breaker	30A double-pole
UPS Input cord length (ft.)	10
UPS Input cord length (m)	3
Recommended Electrical Service	30A 208V
Input cord length (ft.)	10
Input cord length (m)	3
BATTERY	
Full load runtime (minutes)	16 min. (4000w)
Half load runtime (minutes)	38 min. (2000w)
Expandable battery runtime	Extended runtime supported via optional external battery packs
External battery pack compatibility	BP48V60RT-3U (multi-pack compatible)
DC system voltage (VDC)	48
Battery recharge rate (included batteries)	Less than 4 hours from 10% to 90%
Battery replacement description	Hot-swappable, user replaceable batteries
VOLTAGE REGULATION	
Voltage regulation description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 151 to 282
Overvoltage correction	Input voltages between 240V and 282 are reduced by 12%
Undervoltage correction	Input voltages between 180V and 199 are boosted by 12%
Severe undervoltage correction	Input voltages between 151V and 179 are boosted by 24%
LEDS ALARMS & SWITCHES	
LED Indicators	5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status
Alarms	Audible alarm indicates power-failure, overload and low-battery conditions

Alarm cancel operation	Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation
SURGE / NOISE SUPPRESSION	
UPS AC suppression joule rating	1020
UPS AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Installation form factors supported with included accessories	4 post 19 inch rackmount (mounting rail kit included)
Installation form factors supported with optional accessories	2 post rackmount (2POSTRMKITWM); Tower (2-9USTAND)
Optional mounting accessory notes	2 sets of 2POSTRMKITWM required for 2 post rackmount installation of separate power module and battery pack
Primary form factor	Rackmount
UPS / Power Module dimensions in primary form factor (height x width x depth / inches)	5.2 x 17.5 x 22.5
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	13.3 x 44.4 x 57.2
Installed whole system maximum rack depth (inches)	22.8
Installed whole system maximum rack depth (cm)	57.8
Installed whole system total rack space height (rack spaces)	6U
Secondary form factor	Tower (requires 2-9USTAND)
UPS / Power Module weight (kg)	0
UPS dimensions details	Includes 3U power module and 3U external battery pack
Included battery pack dimensions (height x width x depth / inches)	5.2 x 17.5 x 22.8
Included battery pack dimensions (height x width x depth / cm)	13.3 x 44.4 x 57.8
Included battery pack weight (lbs)	135

Included battery pack weight (kg)	61.3
UPS Shipping dimensions (height x width x depth / cm)	22.8 x 23 x 31.5
Shipping weight (lbs)	320
Shipping weight (kg)	145.3
UPS housing material	Steel
Cooling method	Fans
ENVIRONMENTAL	
Operating Temperature Range	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
Storage Temperature Range	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Relative Humidity	0 to 95%, non-condensing
AC mode BTU / hr. (full load)	868.1
Battery mode BTU / hr. (full load)	1511.1
COMMUNICATIONS	
Communications interface	USB; DB9 Serial; Contact closure
Network monitoring port description	Supports detailed monitoring of UPS and site power conditions; 2 USB ports, 1 DB9 serial and 1 DB9 contact closure port (4 total)
PowerAlert software	Included
Communications cable	USB and DB9 cabling included
WatchDog compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
LINE / BATTERY TRANSFER	
Transfer time	2-4 milliseconds
Low voltage transfer to battery power (setpoint)	151
High voltage transfer to battery power (setpoint)	282
SPECIAL FEATURES	
Grounding lug	Back panel grounding lug
Cold Start (startup in battery mode during a power failure)	Cold-start operation supported
High availability UPS features	Hot swappable batteries
Green & high efficiency features	Individually controllable load banks
CERTIFICATIONS	

UPS Certifications	Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category A (EMI); TAA Compliant
WARRANTY	
Product Warranty Period (U.S., Canada & Puerto Rico)	2-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 Ultimate Lifetime Insurance

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=4852.

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